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1 10. The method of claim 1, wherein the page objects include content and formatting
2 properties in a device independent presentation language.

1 16. The system of claim 15, wherein the source document includes statements in a
2 first presentation language, further comprising:

3 means for transforming the source document and source content therein into a result
4 document in a second presentation language, wherein the result document includes the source
5 content and the formatting properties provided by the layout data structure, wherein the
6 formatting properties indicate page divisions of the content, and wherein the multiple page
7 objects are generated from the result document.

1 17. The system of claim 16, wherein the layout data structure comprises a separate
2 document from the source document.

1 18. The system of claim 15, wherein the first presentation language comprises the
2 Extensible Markup Language (XML) and wherein the second presentation language comprises
3 Extensible Stylesheet Language Formatting Objects (XSL-FO), and wherein the page layout
4 data structure comprises an XSL stylesheet.

1 19. The system of claim 15, wherein the page objects include formatting properties
2 in a third presentation language.

1 20. The system of claim 19, wherein the first presentation language comprises the
2 Extensible Markup Language (XML), wherein the second presentation language comprises
3 Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third presentation
4 language comprises the Mixed Object Document Content Architecture (MO:DCA), and
5 wherein the layout data structure comprises an XSL stylesheet.

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1 21. The system of claim 19, wherein the third presentation language comprises a
2 page description language.

1 22. The system of claim 16, wherein the page objects include content and
2 formatting properties in the second presentation language.

1 23. The system of claim 16, wherein the second presentation language comprises
2 Extensible Stylesheet Language Formatting Objects (XSL-FO).

1 24 ~~25~~. The system of claim 15, wherein the page objects include content and
2 formatting properties in a device independent presentation language.

1 25 ~~26~~. The system of claim 15, wherein the source content is in a page description
2 language.

1 26 ~~27~~. The system of claim 15, wherein the source document and page objects include
2 the formatting properties in a same presentation language.

1 27 ~~28~~. The system of claim 15, wherein the page object includes content and
2 formatting properties for one page.

1 28 ~~29~~. The system of claim 15, wherein the source document does not indicate page
2 divisions for the content.

1 29 ~~30~~. An article of manufacture for processing a source document in a structured
2 document format including elements providing source content to render, wherein the source

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3 content comprises code that is rasterized into output, and wherein the article of manufacture
4 comprises code capable of causing a processor to perform:
5 receiving the source document;
6 receiving a layout data structure providing formatting properties specifying a layout and
7 format of the content output;
8 processing the source document and the layout data structure to determine formatting
9 properties, including page divisions, for the content in the source document;
10 generating multiple page objects, wherein each page object includes source content and
11 formatting properties for one page; and
12 transmitting the page objects to a rasterizer to transform into renderable information
13 capable of being generated by an output device.

1 ³⁰
~~31.~~ The article of manufacture of claim ²⁹~~30~~, wherein the source document includes
2 statements in a first presentation language, and wherein the code is further capable of causing
3 the processor to perform:
4 transforming the source document and source content therein into a result document in a
5 second presentation language, wherein the result document includes the source content and the
6 formatting properties provided by the layout data structure, wherein the formatting properties
7 indicate page divisions of the content, and wherein the multiple page objects are generated from
8 the result document.

1 ³¹
~~32.~~ The article of manufacture of claim ³⁰~~31~~, wherein the layout data structure
2 comprises a separate document from the source document.

1 ³²
~~33.~~ The article of manufacture of ³⁰~~31~~, wherein the first presentation language
2 comprises the Extensible Markup Language (XML) and wherein the second presentation

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- 3 language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), and
4 wherein the page layout data structure comprises an XSL stylesheet.

- 1 ³³~~34.~~ The article of manufacture of ³⁰~~31~~, wherein the page objects include formatting
2 properties in a third presentation language.

- 1 ³⁴~~35.~~ The article of manufacture of ³³~~34~~, wherein the first presentation language
2 comprises the Extensible Markup Language (XML), wherein the second presentation language
3 comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third
4 presentation language comprises the Mixed Object Document Content Architecture
5 (MO:DCA), and wherein the layout data structure comprises an XSL stylesheet.

- 1 ³⁵~~36.~~ The article of manufacture of claim ³³~~34~~, wherein the third presentation language
2 comprises a page description language.

- 1 ³⁶~~37.~~ The article of manufacture of claim ³⁰~~31~~, wherein the page objects include
2 content and formatting properties in the second presentation language.

- 1 ³⁷~~38.~~ The article of manufacture of claim ³⁰~~31~~, wherein the second presentation
2 language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO).

- 1 ³⁸~~39.~~ The article of manufacture of claim ³⁰~~31~~, wherein the page objects include
2 content and formatting properties in a device independent presentation language.

- 1 ³⁹~~40.~~ The article of manufacture of claim ²⁹~~30~~, wherein the source content is in a page
2 description language.

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